



Jefferson Lab Alignment Group Data Transmittal

TO: Steve Christo, Dave Kashy

DATE: 27 Jan 2006

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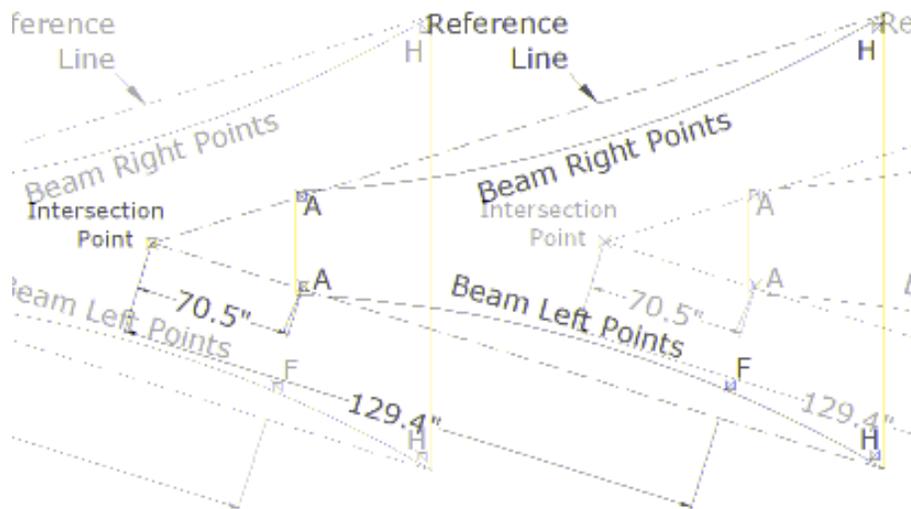
Checked:

: B1035

DETAILS:

data : m:\align\calcs\hallb\sec 6 jan2006

The INFN Cerenkov chamber was surveyed and aligned to it's ideal Clas coordinates while on the temporarily location on the floor. The top two tubes along the edges were also surveyed. This data was inserted into a 3-D model and then the top of the tube locations were interpolated at the same locations that were used along the original sector 6 Cerenkov (see memo B1032r). The resulting values are shown below. The values start at the narrow end of Cerenkov (Pts A) and continue to the wider end (Pts H). The sketch below is looking down at the Cerenkov from above. The data is shown in meters and inches.



Point	Distance from Intersect pt	Height original sect. 6	Height INFN sector 6	Difference (mm)
Beam Right Points				
BR TOP A	1.852	1.332	1.320	-12.5
BR TOP B	2.157	1.347	1.336	-11.5
BR TOP C	2.456	1.383	1.382	-1.3
BR TOP D	2.751	1.439	1.437	-2.8
BR TOP E	3.047	1.519	1.525	6.0
BR TOP F	3.337	1.618	1.624	5.8
BR TOP G	3.61	1.739	1.734	-4.5
BR TOP H	3.863	1.862	1.866	3.8
Beam Left Points				
BL TOP A	1.79	1.322	1.312	-10.3
BL TOP B	2.097	1.342	1.326	-15.4
BL TOP C	2.402	1.372	1.366	-6.7
BL TOP D	2.7	1.423	1.417	-5.3
BL TOP E	2.993	1.496	1.495	-0.9
BL TOP F	3.286	1.593	1.593	-0.1
BL TOP G	3.563	1.708	1.699	-9.8
BL TOP H	3.831	1.838	1.831	-6.7